MONTHLY WEATHER REVIEW.

(GENERAL WEATHER SERVICE OF THE UNITED STATES.)

MAY, 1889.

CONTENTS.

	rage.		
INTRODUCTION	105	ATMOSPHERIC ELECTRICITY	124
ATMOSPHERIC PRESSURE General distribution; Comparison of barometric means with those of previous month; Departures from normal; Monthly barometric ranges; Areas of high pressure; Areas of low pressure. NORTH ATLANTIC STORMS North Atlantic storms for May, 1889; Fog; Ocean ice.	105	Auroras · Thunder-storms. MISCELLANEOUS PHENOMENA	12: 12: 12:
TEMPERATURE OF THE AIR	110	STATE WEATHER SERVICES. Extracts from reports of the several services.	12
General remarks; Deviations from normal temperatures; Maximum and minimum temperatures; Monthly and daily ranges; Temperature of water; Frost; Limits of freezing weather. PRECIPITATION	113	METEOROLOGICAL TABLES. Data from stations of voluntary observers; Retarded reports for April; Note relative to proposed cable to Bermuda; Precipitation at Fort Washita, Ind. T., Yreka, Cal., Amberst College and Agricultural Experiment Station, Mass., Fort Sill, Ind. T., and Blakeley (Bainbridge Island), Wash. T.; Data from stations of the Signal Service.	120
flood. WINDS Prevailing directions; High velocities; Local storms. INLAND NAVIGATION Stage of water in rivers and harbors; Floods; High tides.	120 123	CHARTS—I. Tracks of areas of low pressure; II. Isobars, isotherms, and winds; III. Precipitation: IV. Isobars and isotherms, May 30th to June 1st, 8 a. m. and 8 p. m. observations; V. Rainfall in sections of the Middle States, May 30th to June 1st; VI. Commencement of rain in Middle States, May 30th to June 1st; Johnstown, Pa., drainage area.	

BRIGADIER GENERAL A. W. GREELY, CHIEF SIGNAL OFFICER OF THE ARMY,

BY H. H. C. DUNWOODY, CAPTAIN, 4TH ARTILLERY, SIGNAL OFFICER AND ASSISTANT.

PUBLISHED BY AUTHORITY OF THE SECRETARY OF WAR.

WASHINGTON CITY: SIGNAL OFFICE. 1889.